

INTERNATIONAL SEARCH REPORT

Rec'd EPO

23 MAR 2004

Inventor's Application No.

PCT/JP03/04189

10/528935

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 G11B20/12 G11B27/10

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 G11B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 831 647 A (MATSUSHITA ELECTRIC IND CO LTD) 25 March 1998 (1998-03-25) abstract column 1, line 5 -column 2, line 42 column 9, line 45 -column 11, line 30 column 16, line 18 -column 19, line 46 figures 3,4	1-10
A	EP 0 677 961 A (TOSHIBA AVE KK; TOKYO SHIBAURA ELECTRIC CO (JP)) 18 October 1995 (1995-10-18) abstract column 1, line 1 -column 2, line 53 column 12, line 57 -column 14, line 12 column 15, line 56 -column 17, line 34 figures 2-5 --- -/-	1-10

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

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Date of the actual completion of the international search

2 February 2004

Date of mailing of the international search report

11/02/2004

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A	EP 1 229 542 A (SAMSUNG ELECTRONICS CO LTD) 7 August 2002 (2002-08-07) abstract paragraph '0001! - paragraph '0003! paragraph '0036! - paragraph '0064! -----	1,8,10

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